

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
21 May 2004 (21.05.2004)

PCT

(10) International Publication Number  
**WO 2004/042374 A1**

(51) International Patent Classification<sup>7</sup>: **G01N 21/03**

(21) International Application Number:  
PCT/GB2003/004877

(22) International Filing Date:  
7 November 2003 (07.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0225995.0 7 November 2002 (07.11.2002) GB

(71) Applicant (for all designated States except US): **E2V TECHNOLOGIES LIMITED** [GB/GB]; 106 Waterhouse Lane, Chelmsford, Essex CM1 6QU (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HOPKINS, Graham, Paul** [GB/GB]; 158 Baddow Hall Crescent, Great

Baddow, Chelmsford, Essex, CM2 7BU (GB). **HAYWARD, Andrew, Stephen** [GB/GB]; 18 Brent Cross, Witham, Essex, CM8 1TJ (GB).

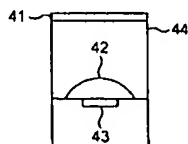
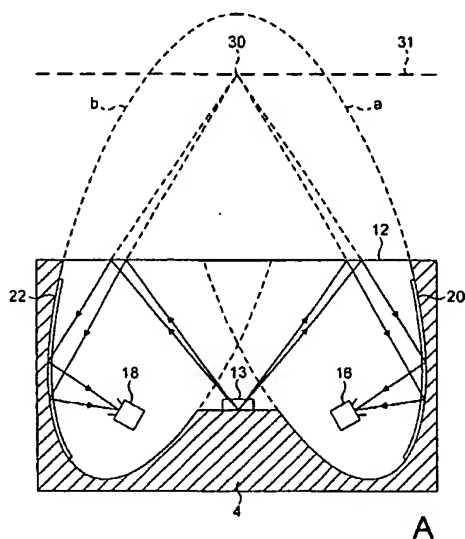
(74) Agent: **LOVELESS, Ian, Mark**; Reddie & Grose, 16 Theobalds Road, London WC1X 8PL (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,

[Continued on next page]

(54) Title: GAS SENSORS



(57) Abstract: A gas sensor of the type having a housing defining a chamber within which light is transmitted from a source to a detector through an optical path, includes internal mirror portions having part ellipsoidal shape. Light is transmitted from a source to a detector via the reflective portions. The detector is arranged to sense light only from a limited range of angles, such that only light transmitted through a defined optical path reflected off the two reflective portions from the source reaches the sensor. This ensures that there is a constant optical path from the source to the detector, which improves the signal to noise ratio of the device.

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